BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Additional works to Public Toilet at NES Circle in Yelahanka Upanagara ward no - 04.

BUILDING

								Est.Cost.Rs.	3000000
Sl No	**Description of Item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	KSRRB M200-14.2.Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications Dismantling brick/Tile work B. In cement mortar. Pg No.139 Item No.18.23								
	Longer Wall	Cum	1	3.10	0.20	2.00	1.24		
	Shorter Wall	Cum	1	2.05	0.20	2.00	0.82		
	Basic rate							351.00	
	Area weightage 8%							28.08	
	Total						**2.06**	**379.08**	**780.91**
2	37.51: Dismantling cement concrete flooring or plain cement concrete work including removing and conveying thė debris to distance upto 200m (within average thickness of 15 cms) No. KBS Pg No 270 ,Item No 37.51,								
	Flooring	Sqm	1	3.10	2.05		6.36		
	Basic rate							351.00	
	Area weightage 8%							28.08	
	Total						**6.36**	**379.08**	**2409.06**
3	Dismantling plastering and removing the debris with a lead upto 200m. (P.No.270, I.No. 37.50)								
	Plastering	Sqm	1	3.10		2.00	6.20		
		Sqm	1	2.05		2.00	4.10		
	Basic rate							37.00	
	Area weightage 8%							2.96	
	Total						**10.30**	**39.96**	**411.59**
4	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item								
	DEBRIS	Cum	From Item No.1, 2, 3				3.22		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding Basic rate loading & unloading					2.00	
	Average Weight of Debris (1.3 Tonne/cum.)	For2Kms =2x1.28x2.5						5.12	
	Basic rate							62.12	
	Area weightage 8%							4.97	
	Total						**3.22**	**67.09**	**215.98**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4								
	Footing								
	C1	Cum	4	1.10	1.00	1.60	7.04		
	Toilet block for Park								
	C1	Cum	6	1.00	1.00	1.50	9.00		
	SSM Footing								
	Along Long Direction	Cum	1	4.90	0.90	0.90	3.97		
	Along short Direction	Cum	1	3.00	0.90	0.90	2.43		
	Toilet block for Park								
	Along Longer span	Cum	2	6.80	0.90	0.75	9.18		
	Along Shorter span	Cum	3	3.20	0.90	0.75	6.48		
	Basic rate							449.00	
	Area weightage 8%							35.92	
	Total						**38.10**	**484.92**	**18474.97**
6	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15								
	Footing								
	C1	Cum	4	1.10	1.00	0.15	0.66		
	Toilet block for Park								
	Footing								
	C1	Cum	6	1.00	1.00	0.15	0.90		
	Basic rate							2429.00	
	Area weightage 8%							194.32	
	Total						**1.56**	**2623.32**	**4092.38**
7	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3								
	Footing								
	C1	Cum	4	1.10	1.00	0.15	0.66		
	Footings								
	Toilet block for Park								
	C1	Cum	6	1.00	1.00	0.15	0.90		
	SSM Below								
	Along Long Direction	Cum	1	6.00	0.90	0.15	0.81		
	Along short Direction	Cum	1	4.10	0.90	0.15	0.55		
	Toilet block for Park								
	Along Longer span	Cum	2	7.45	0.90	0.15	2.01		
	Along Shorter span	Cum	2	4.20	0.90	0.15	1.13		
	Basic rate							5475.28	
	Area weightage 8%							438.02	
	Total						**6.07**	**5913.30**	**35887.84**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
8	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.5 of PWD SR 2018-19)								
	Above SSM								
	Along Long Direction	Cum	1	6.00	0.60	0.15	0.54		
		Cum	1	4.10	0.60	0.15	0.37		
	Toilet block for Park								
	Along Longer span	Cum	2	7.45	0.60	0.15	1.34		
	Along Shorter span	Cum	2	4.20	0.60	0.15	0.76		
	Plinth area								
		Cum	1	5.60	3.70	0.15	3.11		
	Toilet block for Park	Cum	1	6.70	3.80	0.45	11.46		
	Basic rate							5950.14	
	Area weightage 8%							476.01	
	Total						**17.57**	**6426.15**	**112913.91**
9	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing completeas per specifications.KBS 5.1.13 Pg No 25 item No 5.6								
	SSM Footing								
	Along Long Direction	Cum	1	6.00	0.60	0.60	2.16		
		Cum	1	4.10	0.60	0.60	1.48		
	Toilet block for Park								
	Along Longer span	Cum	2	7.45	0.60	0.60	5.36		
	Along Shorter span	Cum	2	4.20	0.60	0.60	3.02		
	Basic rate							4596.00	
	Area weightage 8%							367.68	
	Total						**12.02**	**4963.68**	**59683.29**
10	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10								
	Filling Available of Excavated Earth								
	Earth Work Excavation	Cum	From Item No 6				38.10		
	PCC for Footing	Cum	From Item No 8				-6.07		
	Filling in foundation with granite / trap	Cum	From Item No 7				-1.56		
	SSM Footing	Cum	From Item No 10				-12.02		
	Footing Concrete	Cum	From Item No 21				-1.76		
	Basic rate							201.00	
	Area weightage 8%							16.08	
	Total						**16.69**	**217.08**	**3622.20**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
11	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item								
	Excavated Earth	Cum	From Item No 6				38.10		
	Filling Available of Excavated		From Item No 11				-16.69		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item	t.km	For surface roads exluding loading & unloading Basic rate					2.00	
	Average Weight of	For2Kms =2x1.28x2						5.12	
	Basic rate							62.12	
	Area weightage 8%							4.97	
	Total						**21.41**	**67.09**	**1436.59**
12	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28								
	Footing								
	C1	Sqm	4	4.20		0.40	6.72		
	Toilet block for Park								
	C1	Sqm	6	4.00		0.40	9.60		
	Basic rate							258.00	
	Area weightage 8%							20.64	
	Total						**16.32**	**278.64**	**4547.41**
13	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.31								
	Plinth Beam								
	Along Long Direction	Sqm	4	6.00		0.30	7.20		
	Along Short Direction	Sqm	4	3.70		0.30	4.44		
	Toilet block for Park								
	Longer span	Sqm	4	7.30		0.30	8.76		
	Shorter Span	Sqm	6	3.80		0.30	6.84		
	Basic rate							358.00	
	Area weightage 8%							28.64	
	Total						**27.24**	**386.64**	**10532.08**
14	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 16, Item No 4.32								
	Ground Floor								
	Column Below Plinth								
	C1	Sqm	4	1.30		0.80	4.16		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Column upto beam bottom								
	C1	Sqm	4	1.30		3.15	16.38		
	Toilet block for Park								
	Column upto plinth								
	C1	Sqm	6	1.30		0.80	6.24		
	Column upto Beam bottom								
	C1	Sqm	6	1.30		2.55	19.89		
	Basic rate							456.00	
	Area weightage 8%							36.48	
	Total						**46.67**	**492.48**	**22984.05**
15	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2								
	Ground Floor								
	Slab	Sqm	1	6.00	4.10		24.60		
	Toilet block for Park								
	Roof Slab	sqm	1	7.30	4.20		30.66		
	Basic rate							400.00	
	Area weightage 8%							32.00	
	Total						**55.26**	**432.00**	**23872.32**
16	KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. Specifications No. KBS 4.6.2, Pg No 17,Item No 4.36								
	Ground Floor								
	Slab sides	Sqm	1	20.20		0.15	3.03		
	Toilet block for Park								
	Edges of slab								
	Roof Slab	Sqm	1	23.00		0.15	3.45		
	Basic rate							755.00	
	Area weightage 8%							60.40	
	Total						**6.48**	**815.40**	**5283.80**
17	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34								
	Beam								
	Along Long Direction	Sqm	4	6.00		0.45	10.80		
	Along Short Direction	Sqm	4	4.10		0.45	7.38		
	Lintels								
	Toilet block for Park								
	Lintels over main wall								
	Through lintels								
	Longer span	Sqm	4	5.95		0.15	3.57		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Shorter Span	Sqm	4	3.60		0.15	2.16		
	Lintels over partition wall								
	Longer span	Sqm	4	4.00		0.20	3.20		
	Beams								
	Longer Span	Sqm	4	7.30		0.45	13.14		
	Shorter Span	Sqm	6	3.80		0.45	10.26		
	Basic rate							292.00	
	Area weightage 8%							23.36	
	Total						**50.51**	**315.36**	**15928.84**
18	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. ,including edges including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 Pg No 17,Item No 4.37								
	Ground Floor								
	Chejja(W1)	Sqm	2	1.50	0.60		1.80		
	Chejja Sides(W1)	Sqm	2	2.70		0.10	0.54		
	Basic rate							323.00	
	Area weightage 8%							25.84	
	Total						**2.34**	**348.84**	**816.29**
19	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10								
	Footing								
	C1	Cum	4	1.10	1.00	0.40	1.76		
	Toilet block for Park								
	C1	Cum	6	1.00	1.00	0.40	2.40		
	Plinth Beam								
	Along Long Direction	Cum	2	6.00	0.20	0.30	0.72		
	Along Short Direction	Cum	2	3.70	0.20	0.30	0.44		
	Column upto plinth beam								
	C1	Cum	4	0.20	0.45	0.80	0.29		
	Toilet block for Park								
	Longer span	Cum	2	7.30	0.20	0.30	0.88		
	Shorter Span	Cum	3	3.80	0.20	0.30	0.68		
	C1	Cum	6	0.20	0.45	1.20	0.65		
	Basic rate							6517.09	
	Area weightage 8%							521.37	
	Total						**7.82**	**7038.46**	**55040.74**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
20	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thickness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12								
	Ground Floor								
	Column upto beam bottom								
	C1	Cum	4	0.20	0.45	3.15	1.13		
	Lintel								
	Through lintel	Cum	1	5.60	0.20	0.15	0.17		
		Cum	1	4.10	0.20	0.15	0.12		
	Toilet block for Park								
	Column	Cum	6	0.20	0.45	2.55	1.38		
	Toilet block								
	Lintels over main wall								
	Through lintels								
	Longer span	Cum	2	5.95	0.20	0.15	0.36		
	Shorter Span	Cum	2	3.60	0.20	0.15	0.22		
	Lintels over partition wall								
	Longer span	Cum	2	4.00	0.10	0.20	0.16		
	Basic rate							6750.09	
	Area weightage 8%							540.01	
	Total						**3.54**	**7290.10**	**25770.50**
21	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. Pg No.19 Item No.4.49.2								
	Ground Floor								
	Beam								
	Along Long Direction	Cum	2	6.00	0.20	0.45	1.08		
	Along Short Direction	Cum	2	4.10	0.20	0.45	0.74		
	Slab	Cum	1	6.00	4.10	0.15	3.69		
	Toilet block								
	Roof Slab	Cum	1	7.30	4.20	0.15	4.60		
	Beam								
	Longer Span	Cum	2	7.30	0.20	0.45	1.31		
	Shorter Span	Cum	3	3.80	0.20	0.45	1.03		
	Basic rate							6202.09	
	Area weightage 8%							496.17	
	Total						**12.45**	**6698.26**	**83373.21**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
22	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 Pg No.15 Item no.4.20								
	Ground Floor								
	W1	Sqm	4	1.50	0.60		3.60		
	Basic rate							496.00	
	Area weightage 8%							39.68	
	Total						**3.60**	**535.68**	**1928.45**
23	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2								
	Ground Floor								
	Footing	Cum	Concrete Quantity				4.16		
		kg	Steel assumed 125Kg/Cum of Concrete				520.00		
		tonne					**0.52**		
	Column	Cum	Concrete Quantity				3.63		
		kg	Steel assumed 125 Kg/Cum of Concrete				453.75		
		tonne					**0.45**		
	Plinth beam	Cum	Concrete Quantity				1.16		
		kg	Steel assumed 100 Kg/Cum of Concrete				116.40		
		tonne					**0.12**		
	Chajja	Cum	Concrete Quantity				0.36		
		kg	Steel assumed 80 Kg/Cum of Concrete				28.80		
		tonne					**0.03**		
	Lintel	Cum	Concrete Quantity				0.12		
		kg	Steel assumed 90 Kg/Cum of Concrete				11.07		
		tonnne					**0.01**		
	Beam	Cum	Concrete Quantity				1.82		
		kg	Steel assumed 125 Kg/Cum of Concrete				227.25		
		tonne					**0.23**		
	Roof Slab	Cum	Concrete Quantity				3.69		
		kg	Steel assumed 125 Kg/Cum of Concrete				461.25		
		tonne					**0.46**		
	Basic rate							87417.00	
	Area weightage 8%							6993.36	
	Total						**1.82**	**94410.36**	**171687.13**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
24	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1								
	Ground Floor								
	Walls								
	Along long Direction	Sqm	2	5.60		3.00	33.60		
	Along Short Direction	Sqm	2	3.20		3.00	19.20		
	Toilet block for Park								
	Long wall	Sqm	2	6.70		2.55	34.17		
	Short wall	Sqm	3	3.60		2.55	27.54		
	Deduction								
	Toilet block								
	Lintels over main wall								
	Through lintels								
	Longer span	Sqm	-2	5.95		0.15	-1.79		
	Shorter Span	Sqm	-2	3.60		0.15	-1.08		
	D1	Sqm	-2	1.20		2.10	-5.04		
	D1	Sqm	-1	1.20		2.10	-2.52		
	W1	Sqm	-4	1.50		1.50	-9.00		
	V1	Sqm	-1	0.60	0.75		-0.45		
	V1	Sqm	-6	0.60		0.75	-2.70		
	Basic rate							912.00	
	Area weightage 8%							72.96	
	Total						**91.94**	**984.96**	**90552.30**
25	KSRB 5-15 : Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications. KBS No.5.4, Pg No 27, Item No 5.28								
	Along long Direction	Sqm	1	2.10		3.45	7.25		
	Along Short Direction	Sqm	1	1.50		3.45	5.18		
	Toilet block								
	Long wall	Sqm	5	1.20		3.00	18.00		
	Short wall	Sqm	6	1.30		3.00	23.40		
	Deduction								
	Lintels over partition wall								
	Longer span	Sqm	2	4.00		0.20	0.16		
	D3	Sqm	-1	0.75		2.10	-1.58		
	D3	Sqm	-5	0.75		2.10	-7.88		
	Basic rate							811.00	
	Area weightage 8%							64.88	
	Total						**44.53**	**875.88**	**39002.94**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
26	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116,Item No.15.16								
	External Plastering								
	Along long Direction	Sqm	2	5.60		3.60	40.32		
	Along Short Direction	Sqm	2	3.20		3.60	23.04		
	Toilet block for Park								
	Long wall	Sqm	2	7.30		3.00	43.80		
	Short wall	Sqm	2	4.20		3.00	25.20		
	Deduction								
	D1	Sqm	-2	1.20		2.10	-5.04		
	D1	Sqm	-1	1.20		2.10	-2.52		
	W1	Sqm	-4	1.50		1.50	-9.00		
	V1	Sqm	-1	0.60	0.75		-0.45		
	V1	Sqm	-6	0.60	0.75		-2.70		
	Basic rate							261.00	
	Area weightage 8%							20.88	
	Total						**112.65**	**281.88**	**31753.79**
27	KSRB 15.3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications .Pg No. 115 Item No.15.10								
	Internal Plastering								
	Along long Direction	Sqm	2	5.60		3.45	38.64		
	Along Short Direction	Sqm	2	3.70		3.45	25.53		
	WC	Sqm	1	7.20		1.35	9.72		
	Toilet block								
	Along Long wall	Sqm	2	6.70		0.75	10.05		
	Along short wall	Sqm	4	3.80		0.75	11.40		
	WC	Sqm	5	4.80		0.75	18.00		
	Deduction								
	D1	Sqm	-2	1.20		2.10	-5.04		
	D3	Sqm	-5	0.75		2.10	-7.88		
	V1	Sqm	-6	0.60	0.75		-2.70		
	D1	Sqm	-1	1.20		2.10	-2.52		
	W1	Sqm	-4	1.50		1.50	-9.00		
	V1	Sqm	-1	0.60	0.75		-0.45		
	D3	Sqm	-1	0.75		2.10	-1.58		
	Basic rate							204.00	
	Area weightage 8%							16.32	
	Total						**84.18**	**220.32**	**18546.54**
28	KSRB15-5.1 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications , Pg.No-117, Item No-15.30.								
	WC	Sqm	1	5.40		2.10	11.34		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Toilet block								
	Gents Toilet								
	Along long wall								
	Passage	Sqm	2	4.10		2.10	17.22		
	Along Short wall								
		Sqm	2	3.80		2.10	15.96		
	W.C	Sqm	2	4.80		2.10	20.16		
	Ladies Toilet								
	Along long wall	Sqm	1	4.10		2.10	8.61		
	Along long wall	Sqm	1	2.90		2.10	6.09		
	Along Short wall	Sqm	2	3.80		2.10	15.96		
	WC	Sqm	3	4.80		2.10	30.24		
	Deduction								
	D1	Sqm	-2	1.20		2.10	-5.04		
	D3	Sqm	-5	0.75		2.10	-7.88		
	V1	Sqm	-6	0.60	0.75		-2.70		
	Basic rate							205.00	
	Area weightage 8%							16.40	
	Total						**109.97**	**221.40**	**24346.26**
29	KSRB15-3-14 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Pg No 116, Item No15.22								
	Ceiling								
	Hall	Sqm	1	5.60	3.70		20.72		
	Toilet block								
	Gents Toilet								
	Passage	Sqm	1	3.80	1.50		5.70		
		Sqm	1	3.80	1.20		4.56		
		Sqm	1	1.30	1.20		1.56		
	W.C	Sqm	2	1.20	1.20		2.88		
	Ladies Toilet								
	Passage	Sqm	1	2.60	1.20		3.12		
	W.C	Sqm	4	1.20	1.20		5.76		
	Basic rate							225.00	
	Area weightage 8%							18.00	
	Total						**44.30**	**243.00**	**10764.90**
30	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification. Pg No.128 Item No.15.106								
	for Internal plastered portions	Sqm	1	same as Internal plastering			84.18		
	ceiling	Sqm	1	same as plastering for beam + ceiling			44.30		
	Basic rate							78.00	
	Area weightage 8%							6.24	
	Total						**128.48**	**84.24**	**10823.16**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
31	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. PgNo. 119, I.No. 15.51.2								
	Internal painting	Sqm	Same as Internal plastering				84.18		
	Basic rate							90.00	
	Area weightage 8%							7.20	
	Total						**84.18**	**97.20**	**8182.30**
32	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof as per specifications.Pg No 119,Item No15.49.2								
	Ceiling	Sqm	Same as plastering for beam and ceiling				44.30		
	Basic rate							110.00	
	Extra over Item 15-14.1							8.00	
	sub total							118.00	
	Area weightage 8%							9.44	
	Total						**44.30**	**127.44**	**5645.60**
33	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. (P. No. 120, I.No. 15.53.2 of SR 2018-19).								
	External painting								
	Ground Floor	Sqm	Same as External plastering +chajja plastering +Compound Wall				112.65		
	Basic rate							102.00	
	Area weightage 8%							8.16	
	Total						**112.65**	**110.16**	**12409.53**
34	KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4, Pg No 104,Item No 14.13								
	Ground Floor								
	Flooring	Sqm	1	5.60	2.50		14.00		
		Sqm	1	3.40	1.30		4.42		
	Toilet block								
	Gents Toilet								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Passage	Sqm	1	3.80	1.50		5.70		
		Sqm	1	3.80	1.20		4.56		
		Sqm	1	1.30	1.20		1.56		
	W.C	Sqm	2	1.20	1.20		2.88		
	Ladies Toilet								
	Passage	Sqm	1	2.60	1.20		3.12		
	W.C	Sqm	4	1.20	1.20		5.76		
	Basic rate							631.00	
	Area weightage 8%							50.48	
	Total						**42.00**	**681.48**	**28622.16**
35	Providing and fixing Vetrified glazed tiles of approved make quality & colour of size 900x900x 12mm thick fixed on bed of 12mm thick cement mortar for flooring ,skirting ad jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc including Cost of all materials mortar labour etc complete as per specificationPg no. 109 Item No.14.45.1								
	WC	Sqm	1	2.10	1.50		3.15		
	Toilet block								
	Gents Toilet								
	Passage								
		Sqm	1	3.80	1.50		5.70		
		Sqm	1	3.80	1.20		4.56		
	W.C	Sqm	1	1.30	1.20		1.56		
	Ladies Toilet								
	Passage								
	W.C	Sqm	1	2.60	1.20		3.12		
	Basic Rate							1137.00	
	Area weightage 8%							90.96	
	Total						**18.09**	**1227.96**	**22213.80**
36	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 Pg No 108,Item No14.41.2								
	WC	Sqm	1	7.20		1.50	10.80		
	Along long wall								
	Passage	Sqm	2	4.10		1.50	12.30		
	Along Short wall								
		Sqm	2	3.80		1.50	11.40		
	W.C	Sqm	2	4.80		1.50	14.40		
	Ladies Toilet								
	Along Short wall	Sqm	2	3.80		1.50	11.40		
	WC	Sqm	3	4.80		1.50	21.60		
	Deduction								
	D1	Sqm	-2	1.20		2.10	-5.04		
	D3	Sqm	-5	0.75		2.10	-7.88		
	V1	Sqm	-6	0.60	0.75		-2.70		
	Basic Rate							1632.00	
	Area weightage 8%							130.56	
	Total						**66.29**	**1762.56**	**116831.29**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
37	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm.								
	Hall	Sqm	1	5.60	2.50		14.00		
		Sqm	1	3.40	1.30		4.42		
	Skirting	Sqm	2	5.60		0.15	1.68		
		Sqm	2	3.70		0.15	1.11		
	AC Toilet entrance								
	Flooring	Sqm	1	6.40		1.00	6.40		
	steps (treads)	Sqm	6	1.00		0.30	1.80		
	steps (risers)	Sqm	8	1.00		0.15	1.20		
	Deduction								
	D1	Sqm	-1	1.20		0.15	-0.18		
	D2	Sqm	-1	0.75		0.15	-0.11		
	Basic Rate							1979.00	
	Area weightage 8%							158.32	
	Total						**30.32**	**2137.32**	**64798.20**
38	Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification page no 111 item no 14.56								
	Nosing	m	2	5.60			11.20		
		m	2	3.70			7.40		
	AC Toilet entrance								
	steps (treads)	Sqm	8	1.00			8.00		
	Deduction								
	D1	m	-1	1.20			-1.20		
	D2	m	-1	0.75			-0.75		
	Basic Rate							180.00	
	Area weightage 8%							14.40	
	Total						**24.65**	**194.40**	**4791.96**
39	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification. page no 69 item no 10.5.1								
	Terrrace	Sqm	1	6.00	4.10		24.60		
	Basic Rate							526.00	
	Area weightage 8%							42.08	
	Total						**24.60**	**568.08**	**13974.77**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
40	KSRB 9-27.1 : Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. Pg No 60,Item No 9.80								
	Ground Floor								
	D1	Nos	1				1.00		
	Toilet block								
	D1	Nos	2				2.00		
	Basic rate							1366.00	
	Area weightage 8%							109.28	
	Total						**3.00**	**1475.28**	**4425.84**
41	KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 Pg No 53,Item No 9.11								
	Ground Floor								
	D1	Cum	1	6.60	0.15	0.13	0.12		
	Toilet block								
	D1	Cum	2	6.60	0.13	0.15	0.25		
	Basic rate							87604.00	
	Area weightage 8%							7008.32	
	Total						**0.37**	**94612.32**	**35124.83**
42	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame. Page No. 63, Item No. 9.95								
	D3	m	1	5.70			5.70		
	Toilet block								
	D3	m	5	3.90			19.50		
	Basic rate							450.00	
	Area weightage 8%							36.00	
	Total						**25.20**	**486.00**	**12247.20**
43	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, Pg No. 53, Item No. 9.15								
	Ground Floor								
	D1	Sqm	1	1.20		2.10	2.52		
	Toilet block								
	D1	Sqm	2	1.20		2.10	5.04		
	Basic rate							4722.00	
	Area weightage 8%							377.76	
	Total						**7.56**	**5099.76**	**38554.19**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
44	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot. P.No.60, I.No.9.94								
	D3	Sqm	1	0.75		2.10	1.58		
	Toilet block								
	D3	Sqm	5	0.75		2.10	7.88		
	Basic rate							3800.00	
	Area weightage 8%							304.00	
	Total						**9.45**	**4104.00**	**38782.80**
45	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications. Pg no:121.Item no:15.60.1								
	Ground Floor								
	D1	Sqm	1	6.60	0.15		0.99		
	Toilet block								
	D1	Sqm	2	1.20		2.10	5.04		
	Basic rate							97.00	
	Area weightage 8%							7.76	
	Total						**6.03**	**104.76**	**631.71**
46	Providing & fixing of 3 Track - 2 Panel Sliding Windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPV(Thermo Plastic Vulcanized) and lead free, gaskets having isolated drainage and reinforced with Galvanized Iron profile through-out the window Frame. The outer frame having a overall size of 108 mm width X 45 mm height with reinforcement of 1 mm thickness and sash with overall size of 39 mm x 75 mm with GI reinforcement of 2 mm and mesh sash of size 30mm.Windows shall be provided with 5mm plain float glass, standard hardware and single point locking system with touch lock. Wall thickness of frame and sash shall be of 2mm -2.5mm.								
	Ground floor								
	W1	Sqm	2	1.50		1.50	4.50		
	Basic Rate							5220.00	
	Area weightage 8%							417.60	
	Total						**4.50**	**5637.60**	**25369.20**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
47	Providing & of Fixed Louvered Ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections with Minimum TiO2(Titanium Dioxide) at 6PHR with TPV(Thermo Plastic Vulcanized) and lead free with gaskets-grey colour having isolated drainage and reinforced with Galvanized Iron profiles through out the Ventilator Frame. The frame having a overall size of 39mm x 39mm with GI reinforcement of 1 mm thickness. Louver clip in Aluminium(powder coated in white) will be used on the frame along with plastic parts for fixing the4mm pin head glass. Wall thickness of frame shall be 2mm. Maximum possible size-1000mm X 1000mm.								
	V	Sqm	1	0.75		0.60	0.45		
	Toilet block								
	V	Sqm	7	0.60		0.75	3.15		
	Basic Rate							3632.00	
	Area weightage 8%							290.56	
	Total						**3.60**	**3922.56**	**14121.22**
48	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.Specification No. KBS 7.12 Pg No.34 Item No.7.9								
	Ground Floor								
	W1	Kg	2			47.25	94.50		
				21kg per sqm 1.5*1.5*21=47.25					
	Basic Rate							95.00	
	Area weightage 8%							7.60	
	Total						**94.50**	**102.60**	**9695.70**
49	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Pg no:123.Item no:15.74								
	For window and ventilators	sqm	1	window qty+ventilator qty			8.10		
	Painting for Grill	Sqm		window qty			4.50		
	Basic rate							95.00	
	Area weightage 8%							7.60	
	Total						**12.60**	**102.60**	**1292.76**
50	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305								
	Filling								
	Plinth area	Cum	1	5.60	3.70	0.45	3.11		
	Toilet block for Park	Cum	1	6.70	3.80	0.45	11.46		
	Basic Rate							325.00	
	Area weightage 8%							26.00	
	Total						**14.57**	**351.00**	**5112.32**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
51	Providing and laying plat form using prepolished, water cut / gang saw 40mm thick telephonic Black Granite. laid on existing vertical -supports and fixing in CM 1:3 proportion. Including cutting to required shape, pattern with paper joints, including full rounding for nosing, finished with cement mortar, pointed with colour pigments to match the colour of slab making through jointing with sealant, making holes 25mm x 12mm grooves in joints including curing. (P.No. 108, I.No. 14.52 of PWD SR 2018-19)								
	AC Toilet entrance	Sqm	2	8.00	2.00		32.00		
	Basic rate							3525.00	
	Area weightage 8%							282.00	
	Total						**32.00**	**3807.00**	**121824.00**
52	Providing and fixing of Aluminium composite panel of approved make and colour for wall cladding for straight Brick/Rcc/stone walls & coloumns/beams with necessary aluminium frame works at required level made out of 50x25x3mm C section or equalent. The panel should consist of 2.5 mm thermoplastic core of antitoxic LDPE sandwiched between 0.25 skins thick aluminium sheet making a total panel thickness of 3mm. The surfaces will be finished with PVDF based coating on topsides and service coating on reverse sides would be in polyester paint. The system shall be fixed using GI brackets, aluminium L cleats and stainless steel bolts and nuts complete with spring washer and cap nuts and all other necessary accessories, sealing shall be done using weather sealant of Dow Corning 789 with necessary rods etc., complete.								
	AC Toilet entrance								
	Along longer Direction	Sqm	2	12.00		3.60	86.40		
	Along Shorter Direction	Sqm	2	7.70		3.60	55.44		
	Entrance portion	Sqm	1	6.40		3.00	19.20		
	Deduction								
	Entrance portion	Sqm	-1	6.40		3.00	-19.20		
	Ventilators	Sqm	-2	1.10		2.10	-4.62		
	Basic rate							3940.00	
	Area weightage 8%							315.20	
	Total						**137.22**	**4255.20**	**583898.55**
53	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including curing etc., complete. (P.No. 110, I.No. 14.49 of PWD SR 2018-19)								
	AC Toilet entrance								
	Along longer Direction	Sqm	1	6.40		1.00	6.40		
	Basic rate							3542.00	
	Area weightage 8%							283.36	
	Total						**6.40**	**3825.36**	**24482.31**
54	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.Specification No. KBS 7.12 Pg No.34 Item No.7.9								
	For counter room	Kg	1			22.68	22.68		
				21kg per sqm 0.9*1.2*21=22.68					
	Basic rate							95.00	
	Area weightage 8%							7.60	
	Total						**22.68**	**102.60**	**2326.97**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
55	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Pg no:123.Item no:15.74								
	For counter room	Sqm	1	1.20		0.90	1.08		
	Basic rate							95.00	
	Area weightage 8%							7.60	
	Total						**1.08**	**102.60**	**110.81**
56	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No 17.4								
	DEBRIS	Cum	1	10.00	0.90	0.75	6.75		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding Basic rate loading & unloading					2.00	
	Average Weight of Debris (1.28 Tonne/cum.)	For2Kms =2x1.28x2.5						5.12	
	Basic rate							62.12	
	Area weightage 8%							4.97	
	Total						**6.75**	**67.09**	**452.86**
57	Health Faucets								
		Nos	19				19.00		
	Data Rate						**19.00**	**3000.00**	**57000.00**
58	KSRB13-6.6-1 : Providing and fixing unplasticised PVC connection pipe with brass union 15mm nominal bore 300 mm length of PVC connection including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS								
		Set	22				22.00		
	Basic rate							234.00	
	Area weightage 8%							18.72	
	Total						**22.00**	**252.72**	**5559.84**
								Total Amount	**2145966.15**

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Additional works to Public Toilet at NES Circle in Yelahanka Upanagara ward no - 04.

Sump

Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
59	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4								
	For sump	cum	1	3.7	2.5	2.60	24.05		
	Basic rate							449.00	
	Area weightage 8%							35.92	
	Total						**24.05**	**484.92**	**11662.33**
60	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3								
	For sump	Cum	1	3.70	2.50	0.10	0.93		
	Basic rate							5475.28	
	Area weightage 8%							438.0	
	Total						**0.93**	**5913.30**	**5469.81**
61	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28								
	Bottom slab	Sqm	1	12.4		0.15	1.86		
	Sump walls	Sqm	4	3.7		2.5	37.00		
		Sqm	4	2.2		2.5	22.00		
	Basic rate							258.00	
	Area weightage 8%							20.64	
	Total						**60.86**	**278.64**	**16958.04**
62	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2								
	Cover slab	Sqm	1	3.70	2.50		9.25		
	Basic rate							400.00	
	Area weightage 8%							32.00	
	Total						**9.25**	**432.00**	**3996.00**

Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
63	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10								
	For sump								
	Bottom slab	Cum	1	3.70	2.50	0.15	1.39		
	Sump walls	Cum	2	3.70	0.15	2.50	2.78		
		Cum	2	2.20	0.15	2.50	1.65		
	Cover slab	Cum	1	3.70	2.50	0.15	1.39		
	Basic rate							5780.71	
	Area weightage 8%							462.46	
	Total						**7.20**	**6243.17**	**44950.81**
64	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2								
	Sump	Cum					7.20		
		kg	Steel assumed 125 Kg/Cum of Concrete				720.00		
	Basic rate	Tonne					**0.72**	87417.00	
	Area weightage 8%							6993.36	
	Total	**tonne**					**0.72**	**94410.36**	**67975.46**
65	KSRB 12-6.1 : Providing 20mm square M.S footrest and fixing in manhole Nos 232.00 with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 12.4.6Pg No. 75 item no. 11.44								
	For sump	Nos	4				4.00		
	Basic rate							276.00	
	Area weightage 8%							22.08	
	Total						**4.00**	**298.08**	**1192.32**
66	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item								
	EARTH	Cum	From Item No.1				24.05		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57	

Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
	Basic rate for haulage of materials as per item No. 17.4	t.km	For surface roads exluding Basic rate loading & unloading					2	
	Average Weight of earth (1.28 Tonne/cum.) .)	For2Kms =2x1.28x2						5.12	
	Basic rate							62.12	
	Area weightage 8%							4.97	
	Total						**24.05**	**67.09**	**1613.51**
67	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification. page no 69 item no 10.5.1								
	For sump								
	Bottom slab	Sqm	1	3.7	2.5		9.25		
	Sump walls	Sqm	2	3.7		2.5	18.5		
		Sqm	2	2.2		2.5	11		
	Cover slab	Sqm	1	3.7	2.5		9.25		
	Basic rate							526.00	
	Area weightage 8%							42.08	
	Total						**48.00**	**568.08**	**27267.84**
68	Submersible Single phase 4 inch/100mm for sump page no XL111 Sl no 10								
	1Hp/0.75	Nos	1				1.00		
	Total						1.00	14924.00	**14924.00**
								TOTAL AMOUNT	**196010.12**

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Additional works to Public Toilet at NES Circle in Yelahanka Upanagara ward no - 04.

PLUMBING WORKS

Sl No	Description	Units	Rate(RS.)	Area Weightage 8%	Total Rate (RS.)	Quantity	Amount (RS.)
69	KSRB 11-5 : Providing and fixing white vitreous china clay, **water closet europeon type** (pedestal type, p-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level,P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets , 40mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design,painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications. Specification no.KBS 11 page no 79 item No.12.5	Each	4956.00	396.48	5352.48	5	**26762.40**
	KSRB 11-1 : Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11	Pan	3506.00	280.48	3786.48	3	**11359.44**
70	KSRB 11.11.1 : Providing and fixing white vitreous china clay,flat back **wash basin** size 630x450mm with a Single 15mm C.P brass pillar taps with C.I / M.S brackets ,32mm C.P brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications. Specification No. KBS 11. page no 82 item No.12.23	Unit	3149.00	251.92	3400.92	4	**13603.68**

Sl No	Description	Units	Rate(RS.)	Area Weightage 8%	Total Rate (RS.)	Quantity	Amount (RS.)
71	KSRB 11-9.2 : Providing and fixing white vitreous china clay,flat back or half stall **urinal basin** of size 580x380x350mm in the range of two with 7.5 litres P.V.C automatic flushing cistern, C.I / M.S brackets ,standard flush pipe and C.P brass spreaders with brass unions and G.I clamps, C.I trap with outlet grating and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications.Specification No. KBS 11. page no 81 item No.12.16	Unit	8073.00	645.84	8718.84	18	**156939.12**
72	KSRB 11.15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. page no 84 item No.12.41	Unit	1136.00	90.88	1226.88	4	**4907.52**
73	KSRB 11.17.1: Providing and fixing C.P brass towel rail 740mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P brass screws including cost of materials, labour complete as per specifications.	Unit	739.00	59.12	798.12	4	**3192.48**
74	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia.	Each	150.00	12.00	162.00	18	**2916.00**
WATER SUPPLY WORK							
75	KSRB-13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 3000 Litre capacity) as per IS 12701 1996. Specification No. KBS 13.22 page no 96 item no 13.78	Each	20484.00	1638.72	22122.72	2	**44245.44**
76	KSRB-13-6.1-2 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification no. KBS 13.2.2/ 13.3 page no 93 item no 13.24	Each	173.00	13.84	186.84	18	**3363.12**
77	KSRB-13-6.2-2 : Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification no. KBS 13.2.2/ 13.3 page no 93 item no 13.27	Each	141.00	11.28	152.28	35	**5329.80**

Sl No	Description	Units	Rate(RS.)	Area Weightage 8%	Total Rate (RS.)	Quantity	Amount (RS.)
78	KSRB-13-6.3-2 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification no. KBS 13.2.6/ 13.3 page no 93 item no 13.33	Each	336.00	26.88	362.88	2	725.76
79	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) page no 99 item no13.86.2 and						
a	20mm nominal OD pipes	m	235.00	18.80	253.80	15	3807.00
b	25mm nominal OD pipes	m	293.00	23.44	316.44	20	6328.80
						GRAND TOTAL:	283480.56

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: Additional works to Public Toilet at NES Circle in Yelahanka Upanagara ward no - 04.

Electrical Works

Sl.no	SR book page no.	SR book item no.	Description of Works	Unit	Qty	SR Rate Rs.Ps	Amount, Rs.Ps
			PART A : INTERNAL WIRING SYSTEM				
80			Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet				
a	Pg 5	Item 2.1.1	Short point upto 3m	Point	10	200.00	2000.00
b	Pg 5	Item 2.1.2	Medium point above 3m - 6m	Point	12	275.00	3300.00
81	Pg 2	Item 1.2	Concealed Conduit System - Supplying heavy gauge PVC conduit pipe ……mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of unction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary				
a	Pg 2	Item 1.2 2	25mm dia, 2mm thick	Rm	25	53.00	1325.00
82	pg 2	item 1.3	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.				
a	Pg 2	Item 1.3.1	19/20mm dia, 2mm thick	Rm	30	51.00	1530.00
b	Pg 2	Item 1.3.2	25mm dia, 2mm thick	Rm	20	54.00	1080.00
83	pg 9	item 3.4	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall				
a	Pg 9	item 3.4.1	1 - 3 Way	Each	5	95.00	475.00
b	Pg 9	item 3.4.2	4 - 5 Way	Each	5	105.00	525.00
84	pg 9	item 3.1	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654 .				
a	Pg 9	Item 3.1.2	6AMP 3/5 and Switch	No	3	132.00	396.00
85	pg 9	item 3.2	Supplying and mounting 2 Nos, of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiring as per IS 1293	Each	4	150.00	600.00
86	pg 15	item 3.3	Supply and fixing of bakelite D P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854				
a		3 3.4	16Amps Combined switch and socket with indication	No	5	194.00	970.00

Sl.no	SR book page no.	SR book item no.	Description of Works	Unit	Qty	SR Rate Rs.Ps	Amount, Rs.Ps
87			Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments				
a	Pg 6	Item 2.3.2	1.5sqmm	Rm	70	20.05	1403.50
b	Pg 6	Item 2.3.3	2.5sqmm	Rm	20	32.00	640.00
			PART D : LIGHT FIXTURES				
90	Pg 69	item 12 4.2	Suppiying and fixing of slim box Fitting ,made out of CRCA sheet metal body with locking type holder completely wired Excluding Ballast &Flouresent Tube 1X4' Tube light Fitting	Nos	30	300.00	9000.00
91	Pg No 46	7.1	Supplying exhaust fan of 1440 RPM of 300mm (12") size with bracket blades complete for light duty suitable to operate on 230V 50Hz, AC Supply.	Each	21	1200.00	25200.00
92	Pg no 29	5.3	Supplying, fixing and wiring electronic Trivector Meter(ETV) 5 to 20Amps single phase Class-1 Accuracy with Temper Proof Energy Meter.	Each	2	1150.00	2300.00
						TOTAL	**50744.50**
						Building Amount	**2145966.15**
						Sump Amount	**196010.12**
						Electrical Amount	**50744.50**
						Plumbing Amount	**283480.56**
						SUB TOTAL	**2676201.33**
						GST Charges (12% of estimated cost)	**321144.16**
						Miscellaneous and rounding off	**2654.51**
						GRAND TOTAL	**3000000.00**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary

2) The work spot comes under B.B.M.P

3) The provisions made in the estimate are necessary and minimum

4) The estimate is based on C.S.R of 2018-2019, PWD Electrical 2019-20,PRED 2019-20, SE-RDED approved Rate and Issused Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

Administrative Approval
Accorded For ..30.00lakhs.
Head of A/C.....
CER NO :.....61..... Dt:13/12/21

TA

CE (YNK)

Technical Sanction
Accorded For ..30.00lakhs
Head of A/C.....
CER NO :....64..... Dt:13/12/21

TA